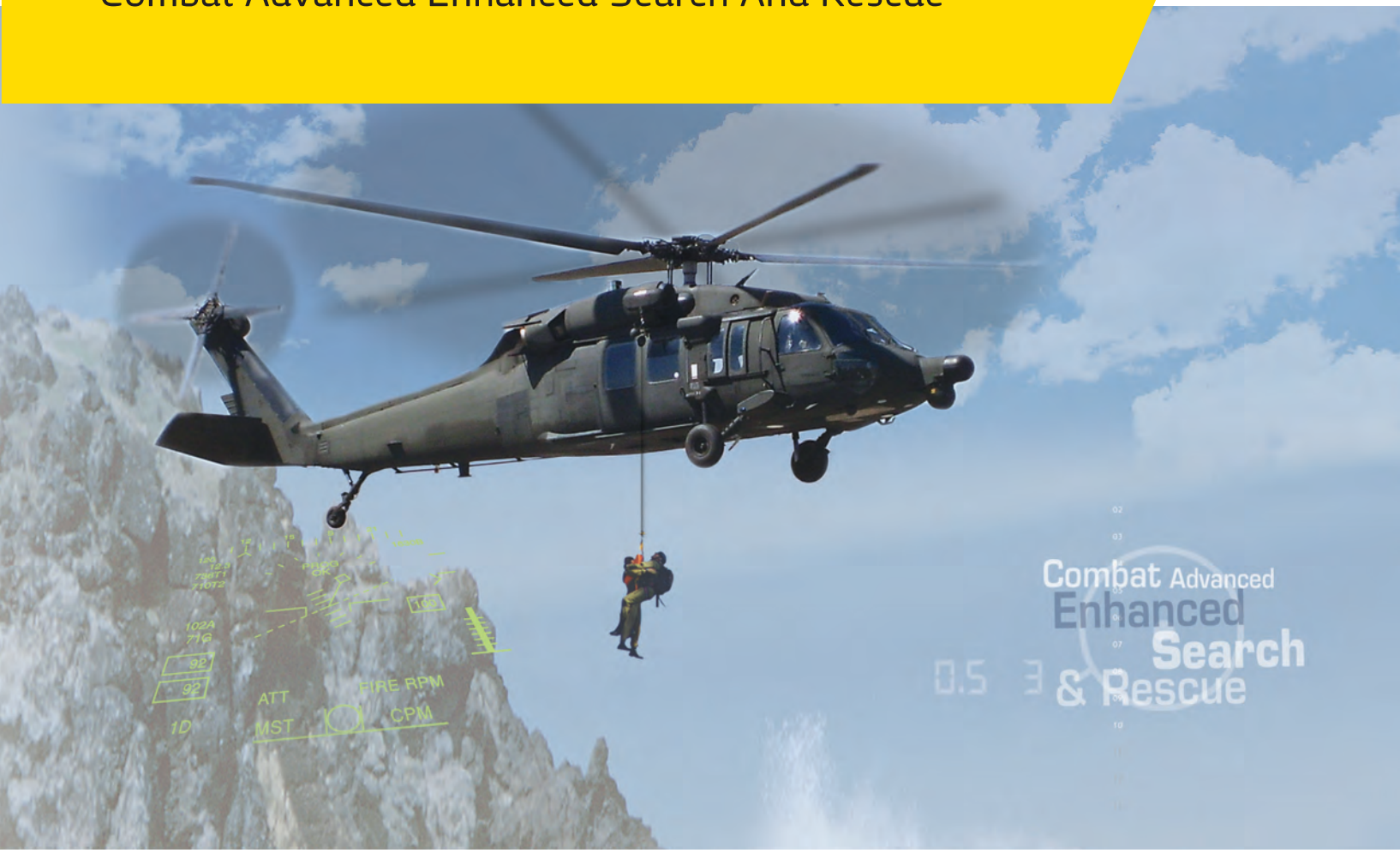
# CaeSAR

## Combat Advanced Enhanced Search And Rescue




Elbit Systems™
Aerospace

# CaeSAR

Anytime, Anywhere

## The Mission

SAR & CSAR are among the most demanding missions performed by helicopter pilots, requiring Personal Recovery Operation (PRO) in a hostile environment and safe return.

The CaeSAR (Combat Advanced Enhanced Search And Rescue) avionics suite represents a new and innovative approach to SAR and CSAR missions.

CaeSAR enhances mission efficiency, survivability and flight safety by enabling mission-oriented integration and data exchange of all systems on board.

CaeSAR is a modular, integrated avionics system specially designed to support SAR & CSAR missions.

It assures accurate navigation, reconnaissance and observation, and day/night head-out flight capabilities in all weather conditions.

## Major Advantages

- Enhanced safety for day & night flight
- Head-out operation
- Enhanced mission efficiency day & night tactical flight
- Improved crew coordination
- Operation during adverse weather
- Fast response
- Real-time mission management
- Pre-flight and in-flight mission planning and editing
- Post flight accurate mission debriefing
- Enhanced survivability
- Integrated EW suite
- Threat avoidance
- Obstacle awareness, enhanced situation awareness

# Integrated Solution

## System Description

- **CaeSAR** comprises Elbit Systems' most advanced subsystems:
- **ANVIS/HUD™24** – Pilot and Co-Pilot
- Day/Night Helmet Display System, for head out flight. Improves flight safety
- **HeliC³om** – Digital Map and Mission
- Management C⁴I System. Improves navigation
- and mission management
- **CoMPASS™** – Day/CCD and night/FLIR
- Electro-Optic Payload for reconnaissance and
- observation
- **DVR** – Digital Video Recorder & mission
- data loader for loading pre planned mission,
- recording flight data, and post flight download
- mission data
- **PLS** – Pilot Locator System
- NVG/non NVG Search Light
- Data Link & C⁴I capabilities
- Mission Planning & Debriefing Ground Station
- EW suite
- Head Tracker – Helmet Pointing System Improves crew coordination and mission efficiency

# CaeSAR

## Combat Advanced Enhanced Search And Rescue

Elbit Systems Ltd. is an international high technology company engaged in a wide range of defense, homeland security and commercial programs throughout the world. The Company, which includes Elbit Systems and its subsidiaries, operates in the areas of aerospace, land and naval systems, command, control, communications, computers, intelligence surveillance and reconnaissance ("C4ISR"), unmanned aircraft systems, advanced electro-optics, electro-optic space systems, EW suites, signal intelligence systems, data links and communications systems, radios and cyber-based systems. The Company also focuses on the upgrading of existing platforms, developing new technologies for defense, homeland security and commercial applications and providing a range of support services, including training and simulation systems.

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